

Virginia Office of Emergency Medical Services Opioid Overdose Definition

Patients with suspected opioid overdoses are often treated and/or transported by emergency medical services (EMS) providers. EMS providers are then required to document details of the encounter, including the reason the patient was seen by EMS (the primary impression), all medications given to the patient, and the patient's response to any medications given. EMS patient data is submitted to the Virginia Pre-Hospital Information Bridge program (Elite v3) within VDH's Office of Emergency Medical Services, Division of Trauma/Critical Care.

EMS incidents documented in Elite v3 are categorized as suspected opioid overdoses if any of the following criteria are met:

- The provider's primary impression (eSituation.11) is reported as a heroin overdose, the medication given (eMedications.03) is listed as Naloxone, and the response to the medication (eMedications.07) is documented as improved; or
- the primary impression is reported as a heroin overdose and no information is available for the medication given; or
- the primary impression is reported as an opioid overdose, the medication given is listed as Naloxone, and the response to the medication is documented as improved; or
- the primary impression is reported as an opioid overdose and no information is available for medication given; or
- the primary impression is reported as an overdose, the medication given is listed as Naloxone, and the response to the medication is documented as improved.

The Elite v3 Data Dictionary descriptions for provider's primary impression, medication given, and response to medication are shown below.

eSituation.11 - Provider's Primary Impression

Definition

The EMS personnel's impression of the patient's primary problem or most significant condition which led to the management given to the patient (treatments, medications, or procedures).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E09_15	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable

7701003 - Not Recorded

Constraints

Pattern

(R[0-9][0-9](\.[0-9]{1,4})?)(R73\.[0-9])(R009))([A-QSTZ][0-9][0-9A-Z](\.[0-9A-Z]{1,4})?)

Data Element Comment

Code list is represented in ICD-10-CM. Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

ICD-10-CM

Website - <http://uts.nlm.nih.gov>

Product - UMLS Metathesaurus

The actual list of impressions is available within the [VPHIB Support Suite](#) and can be found in the Knowledgebase under the section titled "VPHIB Version 3 – VAv3 Accepted Values List".

This list was developed in in cooperation with the State Data Managers Council and adopted the NEMSIS TAC. This suggested list narrows down the total of ICD-10-CM codes to approximately 150. This list was developed in cooperation with the State Data Managers Council and the NEMSIS TAC.

While all ICD-10-CM codes will be accepted in Virginia, it is HIGHLY recommended by VPHIB staffs, NEMSIS, and the State Data Managers, that this suggested list be utilized as much as possible by EMS software vendors and EMS agencies.

eMedications.03 - Medication Given

Definition

The medication given to the patient

National Element	Yes	Pertinent Negatives (PN)	Yes
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_03	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Pertinent Negatives (PN)

8801001 - Contraindication Noted 8801003 - Denied By Order 8801007 - Medication Allergy
8801009 - Medication Already Taken 8801019 - Refused 8801023 - Unable to Complete

Constraints

Data Type	minLength	maxLength
string	2	7

Data Element Comment

The medication list is stored as the RxNorm (RXCUI) Code. The Virginia Medication list is available within the VPHIB Support Suite in the VPHIB version 3 section and the [OEMS website](#) in the Version 3 section.

For additional information, see the "Accepted Value List" section in the beginning of this document.

List of medications based on RxNorm (RXCUI) code.

Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

RxNorm

Website - <http://uts.nlm.nih.gov>

Product - UMLS Metathesaurus

Website - <http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html>

Product - RxNorm Full Monthly Release

eMedications.07 - Response to Medication

Definition

The patient's response to the medication

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	E18_07	Is Nillable	Yes
Usage	Required	Recurrence	1 : 1

Attributes

NOT Values (NV)

7701001 - Not Applicable 7701003 - Not Recorded

Code List

Code	Description
9916001	Improved
9916003	Unchanged
9916005	Worse

Data Element Comment